CLAIMS

1. A vehicle steering apparatus in which a housing for supporting coaxially to a steering shaft a rotating cylinder that is provided with a screw mechanism constructed between itself and said steering shaft for moving in an axial direction for the purpose of steering and that is rotated by transmission from a steering motor is constructed in a separated form consisting of first and second housings fit to each other by spigot-joint fitting on an outer side of a retaining part of a thrust bearing for thrust-supporting said rotating cylinder, wherein

a gap is provided in a part that constitutes a part of the spigot-joint fitting part of said first and second housings and that is located on an outer side of a fixing nut screwed into said retaining part in order to apply a tightening force on said thrust bearing from one side.

- 2. The vehicle steering apparatus according to claim 1, wherein said screw mechanism is a ball screw mechanism constructed by engaging via a large number of balls a screw groove formed in an outer periphery of said steering shaft with a screw groove formed in an inner periphery of said rotating cylinder.
- 3. The vehicle steering apparatus according to claim 1, comprising an escape stopping ring that contacts with an end face of

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said fixing nut from an opposite side of said thrust bearing.

- 4. The vehicle steering apparatus according to claim 1, wherein said thrust bearing is a twin angular contact ball bearing having a common outer race tightened by said fixing nut.
- 5. The vehicle steering apparatus according to claim 1, wherein said thrust bearing is a shield bearing provided with a shield member on both sides of rolling elements.

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- 6. The vehicle steering apparatus according to claim 1, wherein said rotating cylinder has, in an outer periphery, a gear wheel that engages with a pinion of an output shaft of said steering motor.
- 7. The vehicle steering apparatus according to claim 6, wherein said gear wheel has resin gear teeth.